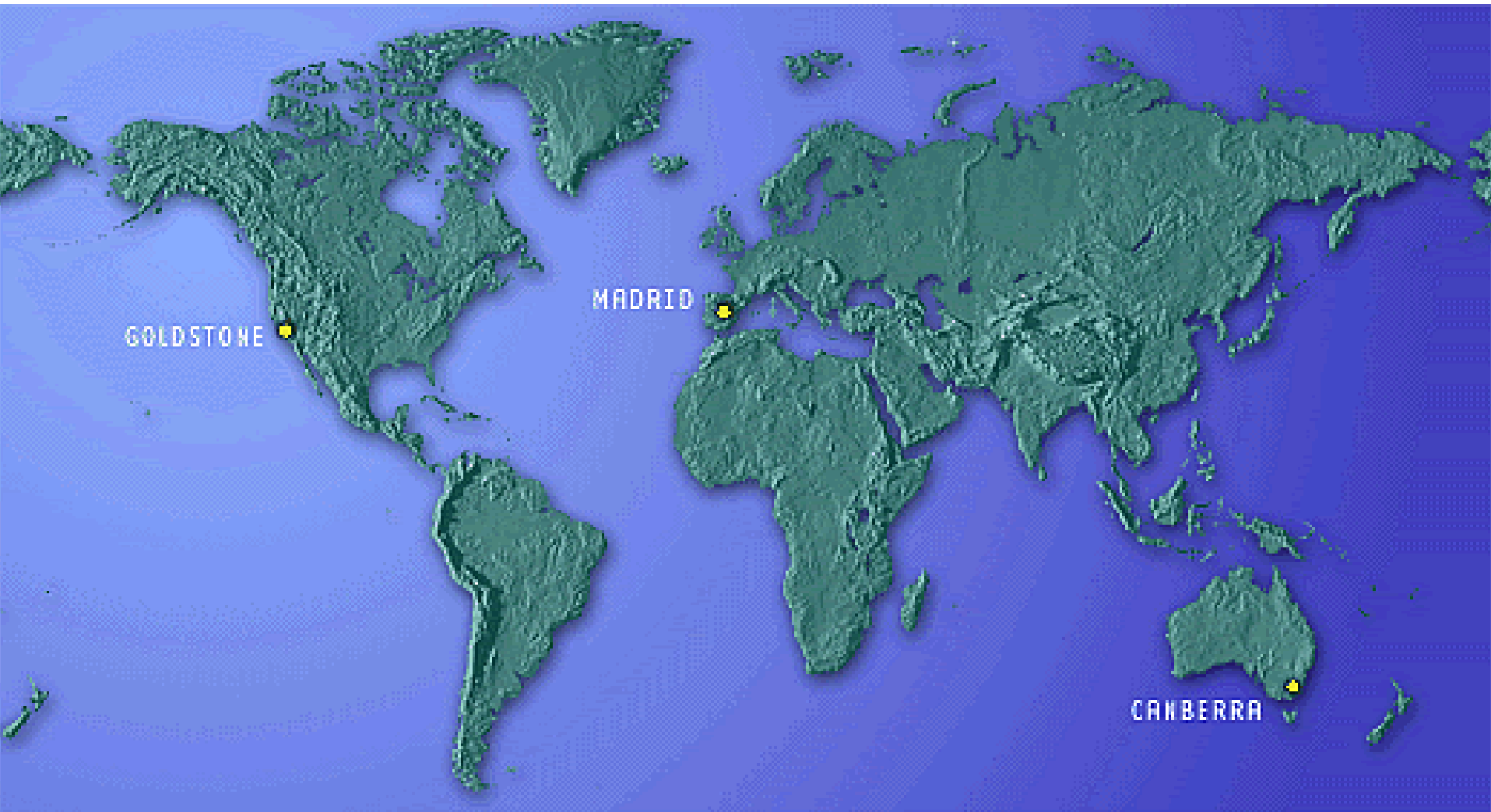


DSN Antenna Downtime Status and Forecast



<http://rapweb.jpl.nasa.gov/planning>

Antenna Downtime Status and Forecast

The following downtimes were approved for 2008 - 2010

- ❑ SPC-60 downtime for Commercial power installation task.
 - ❑ The request for Commercial Power Installation requirements and dates have changed
 - ❑ 12 hour blocks (0400-1600) have been scheduled for DOYs 90, 91, 97, 98, 104 and 105
- ❑ DSS-14 Grouting for week 25 in 2008 has been removed from the chart
 - ❑ Cassini has requested that the downtime be removed to allow for a critical support to happen
 - ❑ Have requested from the complex to combine the downtime with week 31 and schedule 5-6 days
- ❑ DSS-55 downtime for Paint Repair beginning in June 2008 for weeks 23 - 28.
 - ❑ The downtime has been moved to weeks 36-41.
- ❑ DSS-34 downtime for DSS-34 Azimuth Track Replacement in June of 2008 for week 25 – 28.
 - ❑ Due to Cassini critical support, the downtime will start 1 day later.
- ❑ DSS-65 downtime for Life Extension Elevation for October, November of 2009 for weeks 45 – 48 has been moved to weeks 32-40 in 2010.
- ❑ DSS-25 downtime for Ka U/L install for April 2010 for 3 weeks is being moved and proposed for weeks 31 - 34.
- ❑ DSS-54 downtime for ACQ Aid Installation is scheduled for weeks 42 and 43.
- ❑ CDSCC 26m antenna, DSS-46 will close as of August 1, 2009.

Antenna Downtime Status and Forecast

Downtime request for 2008

The following proposals for 14 hour complex downtimes are requested by GDSCC.

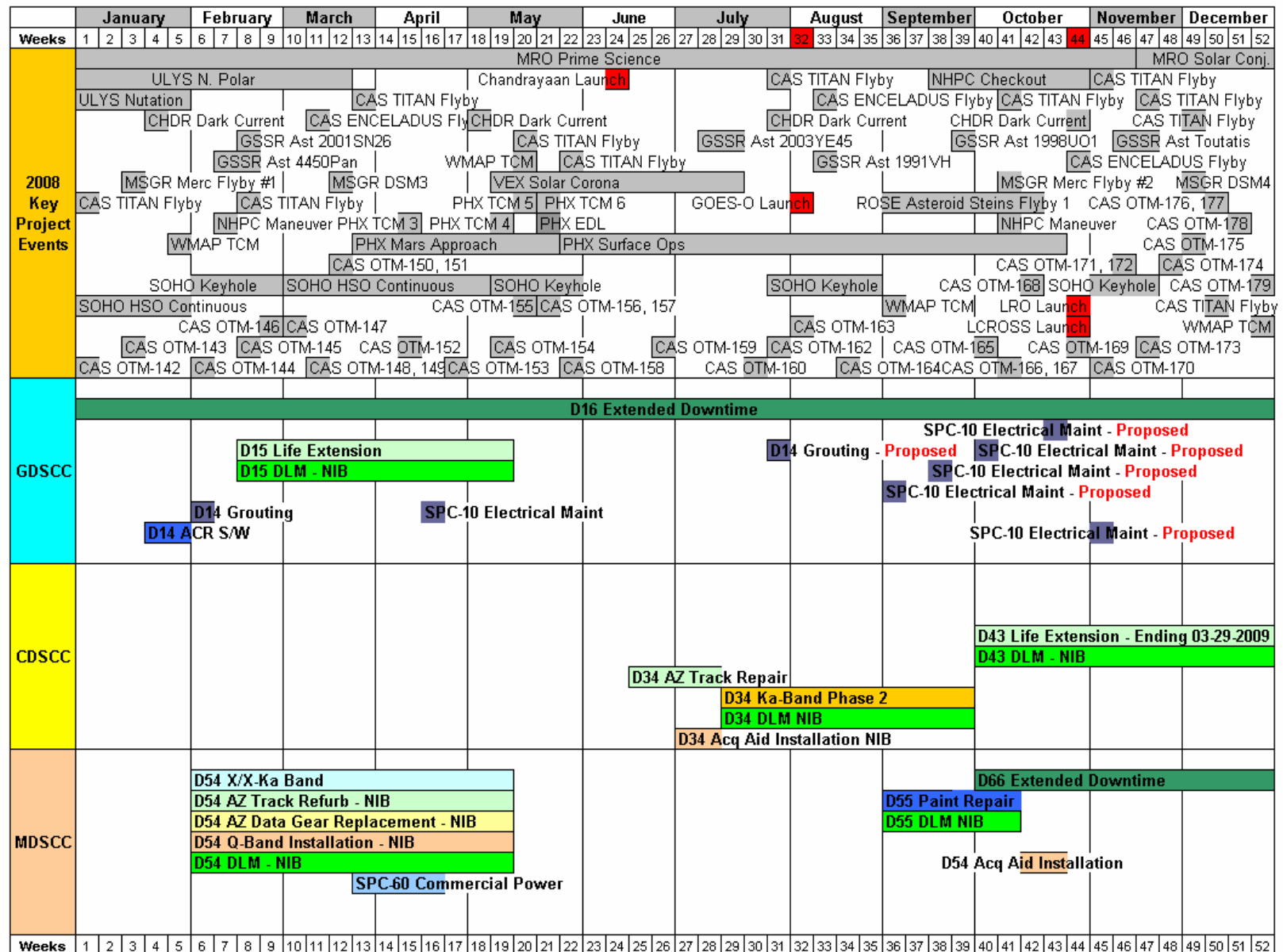
- ❑ Corrective maintenance “Apollo Tie-Line CB 22 Electrical Maintenance” in April.
 - ❑ This is in the schedule for week 16 DOY 108/0755-2155 has been negotiated in the Mid-Range negotiation meetings.
- ❑ Corrective maintenance “G86/G81 Transfer Switch Electrical Maintenance” in May.
 - ❑ This was in the schedule for week 22 DOY 147/0830-2230. This downtime will be scheduled no earlier than week 36 and negotiated in the Mid-Range negotiation meetings.
- ❑ Preventative maintenance “G91 2400V Switchgear Electrical Maintenance” in June.
 - ❑ This is in the schedule for no earlier than week 38 and will be negotiated in the Mid-Range negotiation meetings.
- ❑ Preventative maintenance “Echo Tie-Line Electrical Maintenance” in September.
 - ❑ This is in the schedule for no earlier than week 40 and will be negotiated in the Mid-Range negotiation meetings.
- ❑ Preventative maintenance “Apollo Tie-Line Electrical Maintenance” in October.
 - ❑ This is in the schedule for no earlier than week 43 and will be negotiated in the Mid-Range negotiation meetings.
- ❑ Preventative maintenance “SPC-10 Electrical Maintenance” in November.
 - ❑ This is in the schedule for no earlier than week 45 and will be negotiated in the Mid-Range negotiation meetings.

Antenna Downtime Status and Forecast

The following proposals for antenna downtimes are requested.

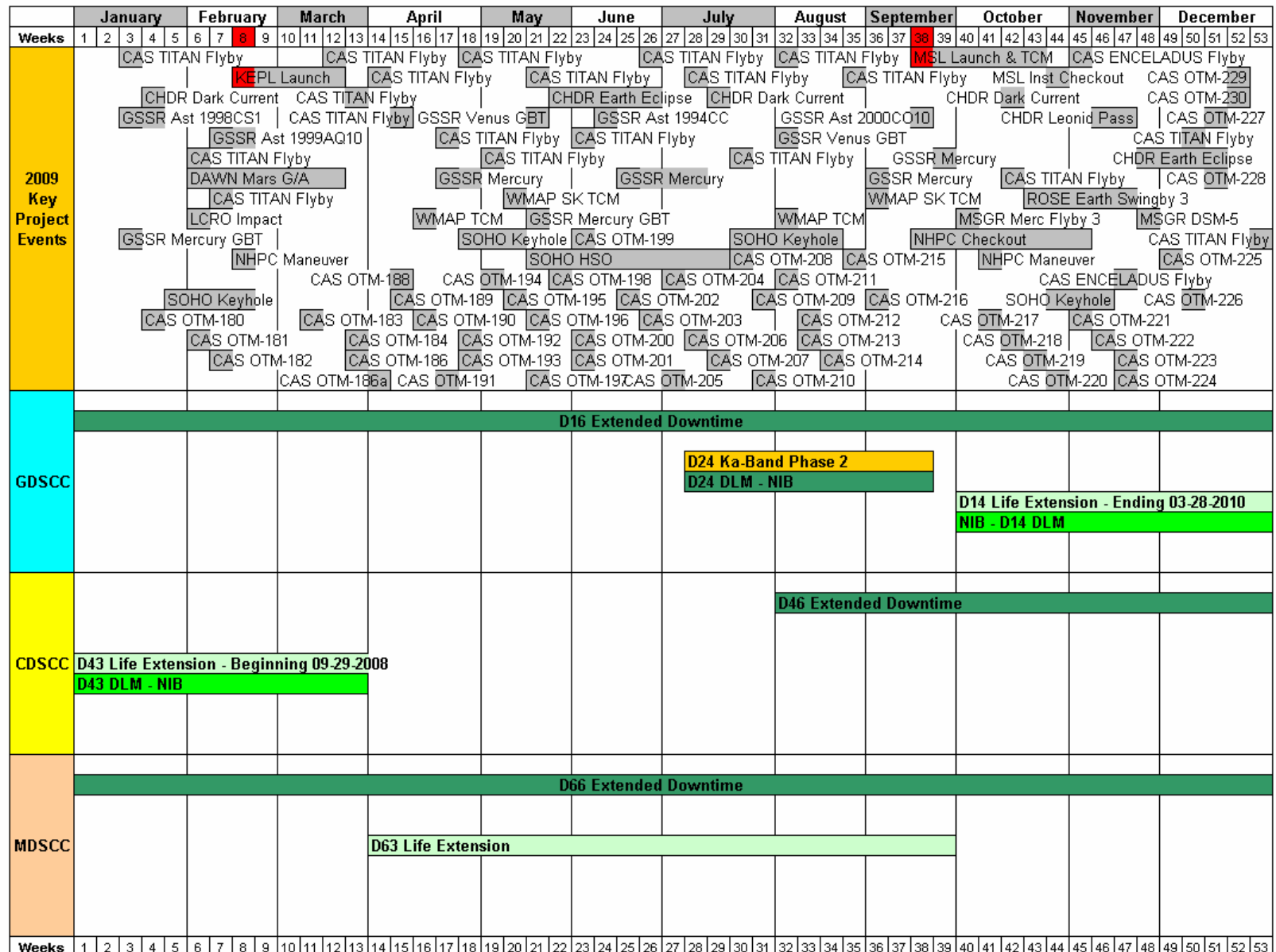
- ❑ CDSCC Annual Antenna Inspections including Annual Servo Testing at DSS-43, -45 and -34 in weeks 3 & 4 of 2008 not to be scheduled concurrently.
 - ❑ Antenna Inspection for DSS-34 is scheduled for DOY 20/2100-0500
 - ❑ Antenna Inspection for DSS-34 is scheduled for DOY 21/1100-2000
 - ❑ Antenna Inspection for DSS-43 is scheduled for DOY 21/2100-0500
 - ❑ Servo Testing for DSS-34 is scheduled for DOY 39/2035-0440
 - ❑ Servo Testing for DSS-43 is scheduled for DOY 41/2100-0500
- ❑ GDSCC Annual Antenna Inspections including Annual Servo Testing at DSS-14, -15, -24, -25, and -26 in week 9 of 2008 not to be scheduled concurrently.
 - ❑ Servo Testing for DSS-24 is scheduled for DOY 63/1600-0000
 - ❑ Servo Testing for DSS-15 is scheduled for DOY 64/1600-0000
 - ❑ Servo Testing for DSS-14 is scheduled for DOY 65/1600-0000
 - ❑ Servo Testing for DSS-25 is scheduled for DOY 66/1600-0000
 - ❑ Servo Testing for DSS-26 is scheduled for DOY 67/1600-0000
- ❑ MDSCC Annual Antenna Inspections including Annual Servo Testing at DSS-63, -65, -54 and -55 as follows:
 - ❑ Servo Testing for DSS-55 is scheduled for DOY 192/0600-1400 week 28
 - ❑ Servo Testing for DSS-63 is scheduled for DOY 193/0600-1400 week 28
 - ❑ Servo Testing for DSS-54 is scheduled for DOY 196/0600-1400 week 29
 - ❑ Servo Testing for DSS-65 is scheduled for DOY 199/0600-1400 week 29
 - ❑ Servo Testing for DSS-63 is scheduled for DOY 203/0600-1400 week 20 (will be deleted if week 28 is negotiated)
 - ❑ Antenna Inspection for DSS-63 is scheduled for DOY 154/0600-1400 week 23
 - ❑ Antenna Inspection for DSS-55 is scheduled for DOY 161/0600-1400 week 24
 - ❑ Antenna Inspection for DSS-54 is scheduled for DOY 162/0600-1400 week 24
 - ❑ Antenna Inspection for DSS-65 is scheduled for DOY 163/0600-1400 week 24
- ❑ HEF Transmitter Manifold Installation at DSS-15, -45 and -65 between July, 2008 and June 2009 not to be scheduled concurrently with DSS-15 being scheduled first.

Antenna Downtime Status and Forecast 2008



Revised: March 3, 2008

Antenna Downtime Status and Forecast 2009



Revised: March 3, 2008

Antenna Downtime Status and Forecast 2010

[illegible]

Revised: March 3, 2008

Antenna Downtime Status and Forecast 2011

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Revised: March 3, 2008

Antenna Downtime Status and Forecast

DSN Resource Implementation Planning Matrix by Subnet

Complex	Station	Subnet	S-Band		X-Band		Ka-Band		Ka Phase 2
			Down	Up	Down	Up	Down	Up	
10	DSS-16	26M	✓	N/A	N/A	N/A	N/A	N/A	N/A
40	DSS-46	26M	✓	✓	N/A	N/A	N/A	N/A	N/A
60	DSS-66	26M	✓	✓	N/A	N/A	N/A	N/A	N/A
10	DSS-27	34HSB	✓	✓	N/A	N/A	N/A	N/A	N/A
10	DSS-24	34B1	✓	✓	✓	✓	N/A	N/A	09/21/09
40	DSS-34	34B1	✓	✓	✓	✓	✓	N/A	09/29/08
60	DSS-54	34B1	✓	✓	✓	✓	04/15/08	N/A	09/27/10
10	DSS-25	34B2	N/A	N/A	✓	✓	✓	08/01/10	N/A
10	DSS-26	34B2	N/A	N/A	✓	✓	✓	N/A	N/A
60	DSS-55	34B2	N/A	N/A	✓	✓	✓	N/A	N/A
10	DSS-15	34HEF	✓	N/A	✓	✓	N/A	N/A	N/A
40	DSS-45	34HEF	✓	TBD	✓	✓	N/A	N/A	N/A
60	DSS-65	34HEF	✓	TBD	✓	✓	N/A	N/A	N/A
10	DSS-14	70M	✓	✓	✓	✓	N/A	N/A	N/A
40	DSS-43	70M	✓	✓	✓	✓	N/A	N/A	N/A
60	DSS-63	70M	✓	✓	✓	✓	N/A	N/A	N/A
N/A = Capability Not Planned xx/xx/xx = Capability Date Recently Changed As of: 02/07/08 ✓ ✓ ✓ = Capability Recently Exists ✓ = Capability Exists									